



Working Backwards

1 Find the value for each of the following by working backwards.

(a) $(?) \xrightarrow{\div 3} \square \xrightarrow{+4} \square \xrightarrow{\times 5} 30$

(b) $(?) \xrightarrow{\div 2} \square \xrightarrow{-2} \square \xrightarrow{+6} 12$

(c) $(?) \xrightarrow{\div 3} \square \xrightarrow{+2} \square \xrightarrow{\times 7} 35$

(d) $(?) \xrightarrow{\times 7} \square \xrightarrow{-8} \square \xrightarrow{\div 3} 9$

2 Find the value for each of the following.

(a) $(?) \xrightarrow{+10} \square \xrightarrow{\times 10} \square \xrightarrow{-10} \square \xrightarrow{\div 10} 10$

(b) $(?) \xrightarrow{\times 3} \square \xrightarrow{+8} \square \xrightarrow{-3} \square \xrightarrow{\div 5} 4$

(c) $(?) \xrightarrow{-2} \square \xrightarrow{\times 9} \square \xrightarrow{+3} \square \xrightarrow{\div 4} 12$

(d) $(?) \xrightarrow{\div 2} \square \xrightarrow{\div 2} \square \xrightarrow{\div 2} \square \xrightarrow{\div 2} 1$



Working Backwards

1 (a) $6 \xrightarrow{\times 3} 2 \xrightarrow{-4} 6 \xrightarrow{\div 5} 30$

(b) $16 \xrightarrow{\times 2} 8 \xrightarrow{+2} 6 \xrightarrow{-6} 12$

(c) $9 \xrightarrow{\times 3} 3 \xrightarrow{-2} 5 \xrightarrow{\div 7} 35$

(d) $5 \xrightarrow{\div 7} 35 \xrightarrow{+8} 27 \xrightarrow{\times 3} 9$

2 (a) $1 \xrightarrow{-10} 11 \xrightarrow{\div 10} 110 \xrightarrow{+10} 100 \xrightarrow{\times 10} 10$

(b) $5 \xrightarrow{\div 3} 15 \xrightarrow{-8} 23 \xrightarrow{+3} 20 \xrightarrow{\times 5} 4$

(c) $7 \xrightarrow{+2} 5 \xrightarrow{\div 9} 45 \xrightarrow{-3} 48 \xrightarrow{\times 4} 12$

(d) $16 \xrightarrow{\times 2} 8 \xrightarrow{\times 2} 4 \xrightarrow{\times 2} 2 \xrightarrow{\times 2} 1$